

IN THE CLAIMS:

Please amend claims 23, 33, 35, 36 and 37, and add new claims 43 – 47, so that the pending claims read in accordance with the following listing of claims:

23. (Currently Amended) A method for generating acknowledgement messages in a data transmission system having a receiver for receiving datagrams and being capable of determining which of a series of datagrams have been incorrectly received, the method comprising generating a plurality of a data units, each data unit comprising:

a status bit indicative of the status of the data unit; and

a plurality of spacing bits together forming a binary representation of a number ~~at least partially~~ indicative of the spacing between one incorrectly received datagram and a succeeding incorrectly received datagram.

24. (Previously Presented) A method as claimed in claim 23, wherein an acknowledgement message comprises a plurality of the said data units.

25. (Previously Presented) A method as claimed in claim 23, wherein one value of a status bit is indicative of its corresponding data unit not being the last data unit of a set of consecutive data units whose spacing bits together represent a number indicative of a spacing between one incorrectly received datagram and a succeeding incorrectly received datagram.

26. (Previously Presented) A method as claimed in claim 23, wherein the other value of a status bit in a datagram whose spacing bits represent a predetermined number is indicative of adjacent data units representing a number indicative of a number of consecutive incorrectly received datagrams.

27. (Previously Presented) A method as claimed in claim 26, wherein the said predetermined number is zero.

28. (Previously Presented) A method as claimed in claim 23, wherein an acknowledgement message includes data identifying the set of datagrams whose reception is described by the message.

29. (Previously Presented) A method as claimed in claim 23, wherein each data unit consists of four or more bits.

30. (Previously Presented) A method as claimed in claim 29, wherein each datagram consists of four bits.

31. (Previously Presented) A method as claimed in claim 23, comprising the step of generating an acknowledgement message comprising the plurality of data units and transmitting that message to a transmitter of the datagrams.

32. (Previously Presented) A method as claimed claim 23, wherein the communication link from the transmitter to the receiver comprises a radio link.

33. (Currently Amended) A method as claimed in claim 23³², wherein the ~~communication radio link from the transmitter to the receiver comprises~~ is a cellular telephone radio link.

34. (Previously Presented) A method as claimed in claim 33, wherein the radio link is a wideband code division multiple access link.

35. (Currently Amended) A receiver for receiving a series of datagrams from a transmitter, comprising:

a datagram checking unit configured to determine ~~for determining~~ which of the datagrams have been incorrectly received; and

an acknowledgement message generator configured to generate for ~~generating~~ acknowledgement messages, each acknowledgement message comprising a plurality of a data units, each data unit comprising:

a status bit indicative of the status of the data unit; and

a plurality of spacing bits together forming a binary representation of a number ~~at least partially~~ indicative of the spacing between one incorrectly received datagram and a succeeding incorrectly received datagram.

36. (Currently Amended) A receiver as claimed in claim 35, comprising a transmitting unit configured to ~~for transmitting~~ transmit the acknowledgement messages to a transmitter.

37. (Currently Amended) A receiver as claimed in claim 35, comprising a memory connected to the datagram checking unit configured to store ~~for storing~~ information indicating which of the datagrams has been incorrectly received.

38. (Previously Presented) A receiver as claimed in claim 35, wherein each datagram comprises checksum information and the datagram checking unit is capable of calculating a checksum for a received datagram and comparing that checksum with the checksum information comprised in the datagram to determine whether the datagram is correctly received.

39. (Previously Presented) A receiver as claimed in claim 35, wherein each data unit consists of four bits.

40 (Previously Presented) A receiver as claimed in claim 35, wherein the acknowledgement generator is implemented in hardware.

41. (Previously Presented) A receiver as claimed in claim 35, wherein the receiver is a radio receiver.

42. (Previously Presented) A receiver as claimed in any of claim 35, wherein the receiver is a cellular radio terminal.

43. (New) A receiver for receiving a series of datagrams from a transmitter, comprising:

- means for determining which of the datagrams have been incorrectly received;
- and

- means for generating acknowledgement messages, each acknowledgement message comprising a plurality of a data units, each data unit comprising:

- a status bit indicative of the status of the data unit; and

- a plurality of spacing bits together forming a binary representation of a number indicative of the spacing between one incorrectly received datagram and a succeeding incorrectly received datagram.

44. (New) An apparatus comprising:

- a datagram checking unit configured to determine which of a series of datagrams received from a transmitter have been incorrectly received; and

- an acknowledgement message generator configured to generate acknowledgement messages, each acknowledgement message comprising a plurality of a data units, each data unit comprising:

- a status bit indicative of the status of the data unit; and

- a plurality of spacing bits together forming a binary representation of a number indicative of the spacing between one incorrectly received datagram and a succeeding incorrectly received datagram.

45. (New) A radio terminal comprising:

- a datagram checking unit configured to determine which of a series of datagrams received from a transmitter have been incorrectly received; and

- an acknowledgement message generator configured to generate acknowledgement messages, each acknowledgement message comprising a plurality of a data units, each data unit comprising:

- a status bit indicative of the status of the data unit; and

a plurality of spacing bits together forming a binary representation of a number indicative of the spacing between one incorrectly received datagram and a succeeding incorrectly received datagram.

46. (New) A communication system comprising a receiver for receiving a series of datagrams from a transmitter, the receiver comprising:

a datagram checking unit configured to determine which the datagrams have been incorrectly received; and

an acknowledgement message generator configured to generate acknowledgement messages, each acknowledgement message comprising a plurality of a data units, each data unit comprising:

a status bit indicative of the status of the data unit; and

a plurality of spacing bits together forming a binary representation of a number indicative of the spacing between one incorrectly received datagram and a succeeding incorrectly received datagram.

47. (New) A computer program product configured to perform a method for generating acknowledgement messages in a data transmission system having a receiver for receiving datagrams and being capable of determining which of a series of datagrams have been incorrectly received, the method comprising generating a plurality of a data units, each data unit comprising:

a status bit indicative of the status of the data unit; and

a plurality of spacing bits together forming a binary representation of a number indicative of the spacing between one incorrectly received datagram and a succeeding incorrectly received datagram.